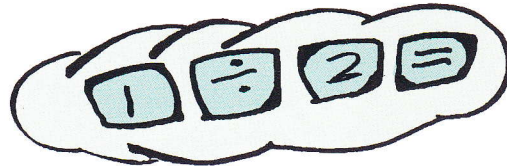


# Friendly Fractions

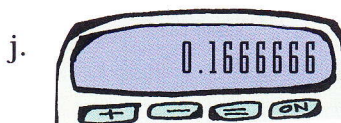
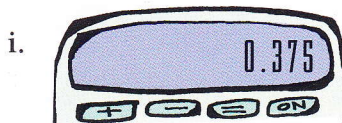
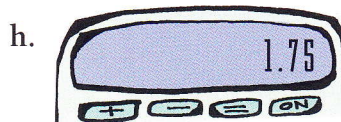
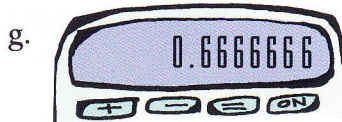
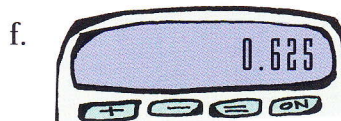
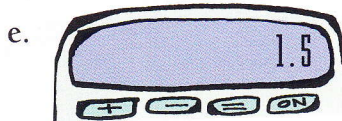
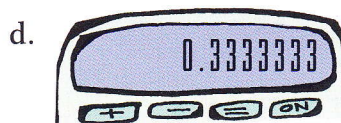
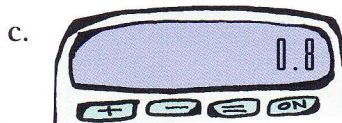
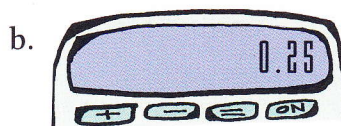
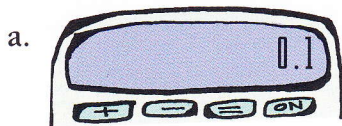
You need ☒ a calculator

## Activity

Clare wanted to change the fraction  $\frac{1}{2}$  into a decimal.  
So she keyed in:



1. What is  $\frac{1}{2}$  as a decimal?
2. Key in  $\boxed{3} \div \boxed{4} =$  to find what  $\frac{3}{4}$  is as a decimal.  
What did you get?
3. Here are some decimal displays.  
Each decimal was the result of keying in  $\boxed{\phantom{0}} \div \boxed{\phantom{0}} =$ ,  
using the numbers from 1 to 10.  
What keys are pressed to get each display?



4.
  - a. What pattern do you notice about fractions such as  $\frac{3}{3}$ ,  $\frac{5}{5}$ ,  $\frac{8}{8}$ ,  $\frac{123}{123}$ , and  $\frac{24}{24}$ ?
  - b. Explain why the pattern works.